

## Message Text

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ACTION EUR-12

INFO OCT-01 ISO-00 EB-08 /021 W  
-----079727 182328Z /70

R 181734Z JUL 78  
FM AMEMBASSY LONDON  
TO USDOC WASHDC  
INFO SECSTATE WASHDC 8250

UNCLAS SECTION 01 OF 03 LONDON 11361

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E.O. 11652: N/A  
TAGS: BEXP, NATO, UK  
SUBJECT: NATO ICB

1. NATO ICB NOTICE RELATING TO RADAR EQUIPMENT FOR THE  
HEBRIDES AND BUCHAN HAS BEEN RECEIVED IN THE EMBASSY  
LONDON. TEXT IS AS FOLLOWS:

2. "NATO INFRASTRUCTURE REQUIREMENT - UK - RADARS FOR  
THE HEBRIDES AND BUCHAN."

I AM WRITING TO FORMALLY NOTIFY YOU OF HER BRITANNIC  
MAJESTY'S GOVERNMENT'S INTENTION TO CALL FOR BIDS FOR  
THE SUPPLY AND INSTALLATION OF RADARS AT THE HEBRIDES  
(SOUTH CLETTARVAL) AND AT RAF BUCHAN. THIS PROCUREMENT  
WILL BE CARRIED OUT BY THE UNITED KINGDOM MINISTRY OF  
DEFENCE (PROCUREMENT EXECUTIVE) AS HOST NATION ACTING  
ON NATO'S BEHALF IN ACCORDANCE WITH THE PROCEDURES FOR  
INTERNATIONAL COMPETITIVE BIDDING (ICB) FOR COMMONLY -  
FINANCED NATO INFRASTRUCTURE WORKS (AC/4-D/2261 (FINAL)  
DATED 30 SEPTEMBER 1974).

3. THE WORK INVOLVED WAS OUTLINED IN THE TYPE 'B'  
ESTIMATE REF. NO. D/ADET(RAF)22/2/5 WHICH WAS THE  
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SUBJECT OF THE INTERNATIONAL STAFF REPORT IN AC/4(PP)  
D/12739 DATED 23 JUNE, 1978. FINAL AUTHORIZATION TO  
COMMIT FUNDS WAS GIVEN IN AC/4-(PP)DS/1154. COMPLEMENT-  
ARY CIVIL WORKS AND DATA HANDLING REQUIREMENTS WILL BE  
THE SUBJECT OF SEPARATE PROCUREMENT EXERCISES.

4. THE WORK IS VALUED IN THE ORDER OF 5,000,000 IAU.

A DESCRIPTION OF THE REQUIREMENT IN ACCORDANCE WITH PARAGRAPH 7 OF AC/4-D/2261 IS ANNEXED TO THIS LETTER.

5. THE INVITATION FOR BID (IFB) WILL BE CLASSIFIED NATO SECRET AND THE WORK ITSELF WILL BE CLASSIFIED NATO SECRET.

6. THE ICB WILL BE IMPLEMENTED UNDER THE INVITATION' FOR BID NUMBER IFB/XR/58/037/040. THIS NUMBER WILL BE USED TO IDENTIFY THE PROJECT ON ALL SUBSEQUENT DOCUMENTATION.

7. IT IS ANTICIPATED THAT THE IFB WILL BE DISTRIBUTED TO BIDDERS IN SEPTEMBER 1978 WITH THE CLOSING DATE FOR THE RETURN OF BIDS BEING JANUARY 1979.

8. PARTICIPATING NATIONS ARE REQUESTED TO RESTRICT NOMINATIONS TO FIRMS WHO CAN READILY DEMONSTRATE THE ABILITY TO TACKLE THIS PROJECT SUCCESSFULLY AS A PRIME CONTRACTOR AND IN PARTICULAR CAN PROVIDE EVIDENCE OF HAVING UNDERTAKEN, RECENTLY AND WITH SUCCESS, WORK TO SATISFY A REQUIREMENT SIMILAR TO THE ONE DESCRIBED AT ANNEXURE.

9. THE UNITED KINGDOM RESERVES THE RIGHT IN ACCORDANCE WITH PARAGRAPHS 6 AND 10 RESPECTIVELY OF AC/4-D/2261 TO PROCEED TO A GENERAL TECHNICAL AND FINANCIAL SCREENING OF ANY FIRM AND, IN THE METHOD OF REDUCING UNCLASSIFIED

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THE NUMBER OF COMPETITORS.

10. NOMINATIONS AND CERTIFICATES OF ELIGIBILITY (INCLUDING THE REQUIRED STATEMENTS OF LEVELS OF SECURITY CLEARANCE) SHOULD BE PASSED THROUGH THE NORMAL CHANNELS TO BE RECEIVED AT THE ADDRESS AT THE HEAD OF THIS LETTER NOT LATER THAN 17.00 HRS. ON MONDAY.

11. QUESTIONS RELATING TO THIS ICB MAY BE ADDRESSED TO THIS SAME ADDRESS.

DESCRIPTION OF EQUIPMENT AND SERVICES REQUIRED.

INTRODUCTION:

THIS REQUIREMENT IS FOR THE SUPPLY AND INSTALLATION OF TWO TRANSPORTABLE RADAR SENSORS WITH RADAR MANAGER DISPLAYS, SIMULATION AND DECOY FACILITIES. ONE SENSOR IS TO BE LOCATED AT THE HEBRIDES (SOUTH CLETTREVAL) ON

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THE ISLAND OF NORTH UIST, IN THE OUTER HEBRIDES; THE  
OTHER IS TO FORM PART OF A SECTOR OPERATIONS CENTER/  
CONTROL AND REPORTING CENTER (SOC/CRC) AT RAF BUCHAN  
PETERHEAD. EACH SENSOR WILL BE CONNECTED VIA A MICRO-  
WAVE LINK TO AN OPERATIONS COMPLEX. BOTH SENSORS HAVE  
TO PERFORM A VITAL OPERATIONAL ROLE, AND HIGH AVAILA-  
BILITY IS AN ESSENTIAL FEATURE.

CIVIL WORKS AND DISPLAYS AND DATA HANDLING REQUIRE-  
MENTS.  
BOTH THE CIVIL WORKS AND DISPLAYS AND DATA HANDLING  
FOR THIS PROJECT WILL BE THE SUBJECT OF SEPARATE CON-  
TRACTS.

1. SUMMARY DESCRIPTION:

A. RADARS AND ASSOCIATED EQUIPMENT: THE REQUIREMENT  
IS FOR 3-DIMENSIONAL RADARS OF THE TRANSPORTABLE TYNE  
CAPABLE OF RE-DEPLOYMENT WITH MINIMUM EFFORT AND QIV-  
ING RANGE BEARING AND HEIGHT INFORMATION. THE REPRESENTATIVE  
PARAMETERS FOR THIS REQUIREMENT ARE AS FOLLOWS:

I. RANGE - OD 80 PERCENT; PERFORMANCE - 320 KM - FAR

10-6

II. HEIGHT - 100 KFT TARGET SIZE 1 SQ.M.

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III. RESOLUTION - AZIMUTH 5KM AT 250 KM.  
HEIGHT 1KM AT 250 KM.

RANGE 400M AT 250 KM.

IV. RADAR FREQUENCIES; TO BE IN ACCORDANCE WITH THE INTERNATIONAL FREQUENCY BAND AGREEMENTS.

V. ECCM: THE RADAR IS TO BE PROVIDED WITH ANTI-JAMMING DEVICES AND IS TO INCORPORATE PULSE CODING, FREQUENCY AGILITY AND COHERENT PROCESSING.

VI. MICROWAVE LINK: A TRANSPORTABLE MICROWAVE LINK IS REQUIRED FOR THE TRANSMISSION OF SIGNALS FROM EACH SENSOR TO ITS RESPECTIVE OPERATIONS COMPLEX. (DISPLAYS) AND DATA PROCESSING EQUIPMENT OTHER THAN ECCM AND RADAR MANAGER DISPLAYS AT THE OPERATIONS SITE ARE TO BE PROCURED UNDER A SEPARATE CONTRACT).

VII. THE SUCCESSFUL CONTRACTOR WILL BE RESPONSIBLE FOR THE SUPPLY OF ELECTRONIC EQUIPMENT AND ESSENTIAL SUPPORT ITEMS E.G. SPARES, SPECIAL PURPOSE TOOLS, TEST EQUIPMENT AND HANDLING GEAR TOGETHER WITH DOCUMENTATION AND TECHNICAL TRAINING.

(B) RADOME: ALL SUPPORT SERVICES FOR THE RADAR SHALL BE HOUSED IN CABINS SUPPLIED BY THE BIDDER. THE RADARS AND THEIR ASSOCIATED CABINS ARE TO BE HOUSED IN A RIGID RADOME WHICH IS TO BE SUPPLIED AS PART OF THE BID. A SUITABLE SUPPORTING WALL FOR THE RADOME, A HARD-STANDING AND DRAINAGE WILL BE PROVIDED BY THE UNITED KINGDOM. PROPERTY SERVICES AGENCY WILL NOT BE THE RESPONSIBILITY OF THE SUCCESSFUL CONTRACTOR.

(C) POWER SUPPLIES: THE POWER SUPPLY AT SOUTH CLETTRAVAL CONSISTS OF AN OVERHEAD SUPPLY OF 11,000V. TERMINATING AT A 500KVA 415V 3PHASE TRANSFORMER. THE SUPPLY IS UNRELIABLE AND UNSTABLE. BUCHAN, BEING AN EXISTING UNCLASSIFIED

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SITE HAS A 3 PHASE 415V 50HZ SUPPLY TO NORMAL UNITED KINGDOM ELECTRICITY SUPPLY STANDARDS. IN ADDITION, BIDDERS ARE RESPONSIBLE FOR THE PROVISION OF TRANSPORTABLE POWER SUPPLIES TO DRIVE THEIR EQUIPMENTS.

(D) SITE LOCATIONS: HEBRIDES.

(1) SOUTH CLETTRAVAL IS A REMOTE VIRGIN SITE OTHER THAN FOR AN EXISTING ARMY RADAR AND ITS SUPPORTING BUILDINGS. IT IS SITUATED ON A PEAK OF 133 METRES HEIGHT LYING APPROXIMATELY 16 KM (10 MILES) AND 15 DEGREES WEST OF NORTH FROM BENBECULA AIRFIELD AND CAN BE REACHED FROM THERE BY THE A865 PUBLIC ROAD.

(2) BENBECULA AIRFIELD IS AN EXISTING SITE SITUATED IN THE NORTH OF THE ISLAND OF BENBECULA. THE GROUND IS GENERALLY FLAT WITH SOME INCIDENCE OF FLOODING IN THE MORE LOW LYING AREAS. IT CAN BE REACHED BY A REGU-

LAR AIR SERVICE FROM GLASGOW OR BY FERRY FROM OBAN, ON THE SCOTTISH MAINLAND, TO LOCHBOISDALE, SOUTH WEST, AND THEN BY THE A865 TO B892 PUBLIC ROADS.

BUCHAN - RAF BUCHAN IS AN EXISTING SITE SITUATED SOME 6KM SOUTH OF PETERHEAD IN ABERDEENSHIRE AND APPROXIMATELY 1 KM INLAND FROM THE NORTH SEA COAST. THE TECHNICAL SITE OCCUPIES AN EXPOSED AND DOMINANT POSITION ON A HILLTOP OF APPROXIMATELY 100 METRES HEIGHT. THE GROUND WITHIN THE SITE SLOPES MODERATELY STEEPLY FROM

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A SMALL HILLTOP PLATEAU, THE MORE EXTREME GRADIENTS BEING AS GREAT AS 1 IN 8. THE SITE CAN BE REACHED FROM THE A952 PETERHEAD TO ELLON ROAD VIA A SINGLE TRACK ROAD JUST OVER 1 KM IN LENGTH.

(E) ENVIRONMENTAL CONDITIONS

I. DURING THE WINTER MONTHS THE SITES MAY BE FREQUENTLY EXPOSED TO PROLONGED PERIODS OF CONTINUOUS RAIN AND DRIZZLE.

II. STRONG SURFACE WINDS MAY SUBJECT THE SITES TO WINDBORNE SALT SPRAY.

III WIND CONDITIONS ARE NORMALLY HIGH:

- A. SOUTH CLETTRAVAL: GUSTS UP TO 67 METRES/SEC (150 MPH)
- B. BENBECULA AIRFIELD: UO TO 49 METRES/SEC

(110 MPH)

C. BUCHAN: GUSTS UO TO 50 METRES/SEC

(112 MPH)

2. QUALITY ASSURANCE:

QUALITY ASSURANCE MUST BE PERFORMED TO THE SATISFACTION OF THE DIRECTOR ELECTRICAL QUALITY ASSURANCE DIRECTORATE (D/EQD), PROCUREMENT EXECUTIVE, MINISTRY OF DEFENCE  
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IN ACCORDANCE WITH STANAG 4108 (NATO QUALITY CONTROL SYSTEM REQUIREMENTS FOR INDUSTRY - AQAP-1) WITH SUPERVISION DURING PRODUCTION AND ON SITE IN ACCORDANCE WITH STANAG 4107 (MUTUAL ACCEPTANCE OF GOVERNMENT QUALITY ASSURANCE).

3. RELIABILITY AND MAINTAINABILITY:

BIDDERS MUST PROVIDE A SPECIFIC PROGRAM OF WORK DESIGNED TO ACHIEVE, AND TO DEMONSTRATE ACHIEVEMENT OF, AGREED STANDARDS OR RELIABILITY AND MAINTAINABILITY.

BIDDERS MUST PROPOSE PROGRAMS OF WORK WHICH WOULD FULLY INTEGRATE WITH THE OVERALL PROJECT PROGRAM AND CONFORM TO MIL-STD-785A OR NEAR EQUIVALENTS. BIDDERS MUST DETAIL THE LEVELS OF RELIABILITY AND MAINTAINABILITY EXPECTED TO BE ACHIEVED IN RELATION TO THE REQUIREMENT AND SUPPORT IT BY ANALYTICAL DATA AND EVIDENCE FROM PREVIOUS EXPERIENCE ON WORK OF THIS NATURE.

4. ESTIMATED VALUE:

THE TOTAL ESTIMATE COST OF THIS WORK PACKAGE (INCLUDING RADARS, RADOMES, BACK-UP EQUIPMENT, POWER SUPPLIES, SPARES ETC) IS IN THE ORDER OF 5,000,000 IAU'S.

5. PROCUREMENT SCHEDULE:

IT IS ANTICIPATED THAT THE IFB WILL BE DISTRIBUTED TO BIDDERS IN SEPTEMBER 1978 WITH THE CLOSING DATE FOR THE RETURN OF BIDS BEING JANUARY 1979.

6. COMPLETION OF WORK:

WORK LET UNDER THIS ICB MUST BE COMPLETED WITHIN 28 MONTHS FROM THE DATE OF CONTRACT.

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## Message Attributes

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